

What is claimed is:

1. A process for increasing the yield of a complex of cyclodextrin and guest comprising the steps of:

(a) forming a solution of cyclodextrin and guest molecule in a solvent wherein the cyclodextrin is present at a concentration of about 15% (w/w) or above, and said solution has a molecular ratio of cyclodextrin to guest of about 1:1 to about 10:1;

(b) mixing the solution to allow a complex to form as a precipitate; and

(c) separating said precipitate from said solution to recover said complex.

2. The process of claim 1 further comprising the step of drying the precipitate.

3. The process of claim 1 wherein the cyclodextrin is a modified cyclodextrin, an unmodified cyclodextrin, a branched cyclodextrin, an unbranched cyclodextrin, or a combination thereof.

4. The process of claim 1 wherein the solvent is water or an organic solvent, or a mixture of water and a solvent or solvents.

5. A process for increasing the amount of guest complexed with cyclodextrin comprising the steps of:

(a) forming a solution of cyclodextrin and guest molecule in a solvent wherein the cyclodextrin is present at a concentration of about 15% (w/w) or above, and said solution has a molecular ratio of cyclodextrin to guest of about 1:1 to about 10:1;

(b) mixing the solution to allow a complex to form as a precipitate; and

(c) separating said precipitate from said solution to recover said complex.

6. The process of claim 5 further comprising the step of drying the precipitate.

7. The process of claim 5 wherein the cyclodextrin is a modified cyclodextrin, an unmodified cyclodextrin, a branched cyclodextrin, an unbranched cyclodextrin, or a combination thereof.

8. The process of claim 5 wherein the solvent is water or an organic solvent, or a water-solvent mixture.

9. A process for decreasing the size of guest complexed with cyclodextrin comprising the steps of:

(a) forming a solution of cyclodextrin and guest molecule in a solvent wherein the cyclodextrin is present at a concentration of about 15% (w/w) or above, and said solution has a molecular ratio

of cyclodextrin to guest of about 1:1 to about 10:1;

(b) mixing the solution to allow a complex to form as a precipitate; and

(c) separating said precipitate from said solution to recover said complex.

10. The process of claim 9 further comprising the step of drying the precipitate.

11. The process of claim 9 wherein the cyclodextrin is a modified cyclodextrin, an unmodified cyclodextrin, a branched cyclodextrin, an unbranched cyclodextrin, or a combination thereof.

12. The process of claim 9 wherein the solvent is water or an organic solvent, or a water-solvent mixture.